



# भारत का राजपत्र The Gazette of India

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office Relating to Patents and Designs]

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Calcutta, the 26th March, 1988

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## CORRIGENDUM

In the Gazette of India Part III Section 2 dated the 12th December, 1987 under the heading "PATENTS SEALED" delete 153462.

## CORRIGENDUM

In the Gazette of India Part III Section 2 dated the 12th December, 1987 under the heading "PATENTS SEALED" delete 153461.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act. 1970.

The 18th February, 1988

148/Cal/88. Werner Block. A method for processing filter dust, dredger mud (Harbour mud) and similar waste materials for final storage.

The 19th February, 1988

149/Cal/88. Biren Das Gupta. Tubewell Strainer or filter.

150/Cal/88. Sam Hong Kim. A box-cording apparatus.

The 22nd February 1988

151/Cal/88. Bhairab Chandra Bhattacharya. Monoclonal antibodies and composition for controlling the aids virus infection.

152/Cal/88. Bhairab Chandra Bhattacharya. Monoclonal antibodies to mammalian X- and Y-chromosome bearing spermatozoa.

153/Cal/88. Siemens Aktiengesellschaft. Method of manufacturing turbine wheel disks with locally high internal compressive strains in the hub bore.

154/Cal/88. Siemens Aktiengesellschaft. Housing for electrical switchgear.

155/Cal/88. Betz International, Inc. Process and composition for color stabilized distillate fuel oil.

156/Cal/88. Betz International, Inc. Biocidal compositions and use thereof.

157/Cal/88. Betz International, Inc. Biocidal compositions and use thereof.

The 23rd February, 1988

158/Cal/88. Ronald S. Ace. Ophthalmic glass plastic laminated lens having photochromic characteristics and method of assembly thereof. [Divisional date 16th October, 1985]

159/Cal/88. Neste Oy. Modified polyolefine.

160/Cal/88. Nissei Jushi Kogyo Kabushiki Kaisha. A mold clamping device.

161/Cal/88. Nissei Jushi Kogyo Kabushiki Kaisha. A mold clamping device.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 25th January, 1988

46/Mas/88. Lucas-TUV Limited. A balasted ignition coil for use in automobiles.

47/Mas/88. Southern Petrochemical Industries Corporation Ltd. A process and apparatus for the reduction

of hexavalent chromium in chromium (VI) bearing streams to trivalent chromium.

48/Mas/88. TVS-Suzuki Limited. A combined cush drive and freewheel transmission system for a moped.

49/Mas/88. Lucas Industries Public Limited Company. Brake actuator (Convention date 24th January, 1987) United Kingdom.

50/Mas/88. Air Products and Chemicals, Inc. Injection moulding process with reactive gas treatment.

51/Mas/88. Cassella Aktiengesellschaft. Mixtures of mono-azo dyestuffs.

52/Mas/88. Cassella Aktiengesellschaft. Mixtures of mono-azo dyestuffs.

The 27th January, 1988

53/Mas/88. Atochem. Process for condensing aluminium.

54/Mas/88. Dow Corning Corporation. High voltage insulators.

55/Mas/88. Graf & Cie. AG. A card clothing for flats of a carding machine.

56/Mas/88. Maschinenfabrik Rieter AG. A winding apparatus for forming a lap from a fibrous web. [Divisional date 10th January, 1985].

57/Mas/88. V. K. Enterprise Co. Ltd. Quick-release resealable sewerage can cover assembly.

The 28th January, 1988

58/Mas/88. Salzgitter Maschinenbau GmbH. Drilling with hydraulic percussion generator.

The 29th January, 1988

59/Mas/88. TI Corporate Services Limited. Vehicle exhaust gas systems.

60/Mas/88. Motorola, Inc. Trunked communication system for voice and data.

61/Mas/88. A.H. Robins Company Incorporated. N-(aryl-, aryloxy-, arylthio-arylsulfinyl- and arylsulfonyl-) alkyl-N, N'-(or N' N') Alkylamino-alkyl ureas and cyanoguanidines.

62/Mas/88. Dow Corning Corporation. Crosslink silicone coating for botanical seeds.

The 1st February, 1988

63/Mas/88. Minnesota Mining and Manufacturing Company. Abrasive Grits formed of ceramic containing oxides of aluminium and rare earth metal, method of making and products made therewith.

The 2nd February, 1988

64/Mas/88. Nippon Steel Corporation. Method of continuously casting lead-bearing steel.

65/Mas/88. Takeda Chemical Industries, Ltd. An Agricultural Composition.

66/Mas/88. Stamicarbon B.V. Catalyst system for high temperature (co) polymerization of ethylene.

67/Mas/88. Stamicarbon B.V. Catalyst system (co) polymerization of ethylene in solution.

68/Mas/88. Takeda Chemical Industries, Ltd. Nucleotide analogs, their production and use.

The 3rd February, 1988

69/Mas/88. Henkel Kommanditgesellschaft auf Aktien. The use of derivatives of tricyclo-(5.3.1.0 2.6)-deca-3-ene as frothers in the flotation of coal and ores.

70/Mas/88. The dow chemical company. Gel-Type chelating resins and a process for removal of multi-valent, alkaline earth of heavy metal cations from solutions.

71/Mas/88. Hamon-Sobeloco S.A. Trickling sheet for packing means in an installation for bringing liquid and gas into contact, and packing means thus constituted.

72/Mas/88. Dana Corporation. Tandem axle assembly. (Dec. 23, 1987; U.K.).

73/Mas/88. Kyorin Seiyaku Kubushiki Kaisha. A process for the preparation of quineline carboxylic acid derivatives. (Divisional to Patent Application No. 211/Mas/85).

The 4th February, 1988

74/Mas/88. Eduard Kusters Maschinenfabrik GmbH & Co. KG. A method of and plant for the manufacture of wood chipboards and similar board materials.

The 5th February, 1988

75/Mas/88. Thirumalai Anandam Pallai Vijayan. Mosquito Net for Hammocks for Babies.

The 8th February 1988

76/Mas/88. Sri Aurobindo Institute of Applied Scientific Research Trust. Improved speed ratio variation mechanism for bicycle rikshaws or bicycle operated three wheeler.

77/Mas/88. B. V. Raychem S.A. Recoverable fabric sleeve. (February 9, 1987; United Kingdom).

The 9th February 1988

78/Mas/88. The Post Office. Phosphorescent Material.

79/Mas/88. Borsig GMBH. Turbine of radial mode of construction with disc diffusor.

80/Mas/88. Hair Remover Ltd. Depilatory device for removing hair.

81/Mas/88. General Instrument Corporation. Process for fabricating semiconductor devices and products produced therefrom.

82/Mas/88. Linde Aktiengesellschaft. Process for the operation of a synthesis gas plant and plant to carry out the process.

The 10th February 1988

83/Mas/88. F. L. Smidth & Co. Cyclone. (March 25, 1987; Great Britain).

84/Mas/88. G.S.G.-Sanford Pty. Ltd. Valve body removal and insertion. (February 10, 1987; Australia).

85/Mas/88. Fereno Kocsis. Water pumping system using compressed air.

86/Mas/88. C. A. Blockers, Inc.. Process for manufacturing cigarettes.

The 11th February 1988

87/Mas/88. P. J. Paul. Heat insulated pressure cooker.

88/Mas/88. Maschinenfabrik Rieter AG. Perforated drum for an open-end friction spinning device.

89/Mas/88. Zellweger Uster AG. Process and apparatus for On-line production and quality control in textile machines.

90/Mas/88. Zellweger Uster AG. Process and apparatus for production and quality control of the production units in multi-spindle textile machines.

The 12th February 1988

91/Mas/88. Anand Swaroop Mahajan. A new proposal for the in-process measurement of width of hot rolled wide strip of steel.

92/Mas/88. Madison-Kipp Corporation. Improved lubricating nozzle apparatus and method. (November 19, 1987; Australia).

93/Mas/88. Oxford Virology Limited and David H. L. Bishop. Production of bluetongue virus antigens using a baculovirus expression vector. (February 19, 1987; Great Britain).

#### ALTERATION OF DATE

162080.

(2/Cal/87).

Antedated to 22nd February, 1984

162100.

(698/Del/85).

Ante-dated to 18th May, 1982

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CLASS : 73: 119-B.

162071

Int. Cl. : D 06 c 3/00.

#### EDGE PEELERS.

Applicant : ERHARD & LEIMER GmbH, LEITER-SHOFFER STR. 80, 8900 AUGSBURG 1, WEST GERMANY.

Inventors : 1. WOLFGANG KRAUTH, 2. HEINRICH SCHMIDT.

Application No. 647/Cal/84 filed September 14, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims

Edge feelers for probing a running cloth track edge having a pivoted feeler arm adapted to be swivelled, which has at least one shifting arrangement in working contact, and capable of being operated by shifting of the feeler arm on the swivel axis when at least one signal is emitted, characterised in that the feeler arm (11) has a metallic element and that the shifting arrangement has an electric capacitor (14) placed next to the part of the elements causing the shift so that capacitor is adapted to work together with the element without coming into contact with it.

Compl. Specn. 11 pages.

Drgs. 2 sheets

CLASS : 89.

162072

Int. Cl. : G 01 f 23/00.

## A LIQUID CONTENT INDICATOR GAUGE.

Applicant & Inventor : DHIRENDRA NATH MOHANTI, KRISHNAMAITYBAR, P. O. DANTAN, DIST. MIDNAPORE, WEST BENGAL, INDIA.

Application No. 816/Cal/84 filed November 27, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

An indicator gauge device for measuring the liquid content in a reservoir comprising a vertical rotating spindle supported at top and bottom and which is made of a narrow flat metal strip axially twisted along its entire length to about 300° to 330° thereby substantially forming a helical thread of a single pitch; a float axially mounted on the said spindle for vertically moving up and down along the spindle, guided by two guide bars mounted parallel to the spindle at two opposite sides, the float being provided with a central axial hole through which the spindle passes and the two faces of the holes are each covered by a plate and each plate is provided with a central notch whose size and position correspond to the cross-section of the spindle and its position of twist, the notches thereby exerting a twisting motion to the spindle while sliding up and down along the spindle; a pointer fitted at the top end of the spindle rotatable over a graduated horizontal dial or scale firmly mounted below the pointer.

Compl. Specn. 7 pages.

Drg. 1 sheet.

CLASS : 187-E<sub>1</sub>.

162073

Int. Cl. H 04 r 3/02.

## HANDSET FOR A TELEPHONE STATION.

Applicant : SIEMENS AKTIENGESellschaft, OF WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventors : 1. HANNES SCHNEIDER, 2. JOHANN LUGER.

Application No. 820/Cal/84 filed November 28, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

A handset for a telephone station comprising an ear transducer and a mouth transducer held in a body, said body containing an acoustically damping material arranged between said ear transducer and mouth transducer to provide acoustic decoupling between the mouth and ear transducers and wherein said body comprises two elongate portions assembled to enclose said transducers, said portions being provided with integrally formed means for restraining said transducers.

Compl. Specn. 5 pages.

Drg. 1 sheet.

CLASS : 45-E, G<sub>1</sub>.

162074

Int. Cl. : E 03 d 1/00, 3/00, 5/00, 11/00.

## A CLOCK OR FLUSH VALVE.

Applicant & Inventor : ADHAR SAHURAM MIRCHANDANI, OF 17, CAMAC STREET, CALCUTTA-700 017, WEST BENGAL, INDIA.

Application No. 73/Cal/85 filed February 2, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims

A clock valve or automatically closable valve for cisterns or tanks containing liquids comprising a valve member normally resting on a seat around an outlet aperture in the base of the cistern or tank, an actuating unit which comprises a float member fixed to a first lever arm and a second lever arm, a container or open mouthed vessel having an aperture in its base, fixed to the second lever arm which is also fixed to the float member, the said first lever arm having means for fixing the valve member thereto, the said first lever arm being pivoted to ribs extending vertically from said valve seat and means for raising the actuating unit and valve member, the centre of gravity of the actuating unit and valve member lying above the valve seat, both when the valve is in its closed position as well as in its raised open position, buoyancy of the float member and the liquid in the said container counterbalancing the weight of the actuating unit and the valve when the valve is raised, the said valve being automatically closed after a predetermined time or definite interval corresponding to the time taken for the liquid in the said container to be discharged through the said aperture in the base of the container.

Compl. Specn. 12 pages.

Drg. 1 sheet.

CLASS : 32-E<sub>2</sub> b; 55-D<sub>2</sub>.

162075

Int. Cl. : A 01 n 9/00; C 07 d 51/36.

## A PROCESS FOR PRODUCING THIOCYANOPYRIMIDINE DERIVATIVE.

Applicant : MITSUI TOATSU CHEMICALS INCORPORATED, OF 2-5, KASUMIGASEKI 3-CHOME, CHU-YODA-KU, TOKYO, JAPAN.

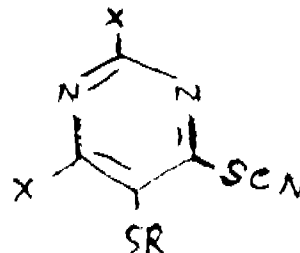
Inventors : 1. KATSUTOSHI ISHIKAWA, 2. HITOSHI SHIMOTORI, 3. NOBORU IIDA, 4. SHUJI OZAWA, 5. SHUNICHI INAMI.

Application No. 162/Cal/85 filed March 2, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

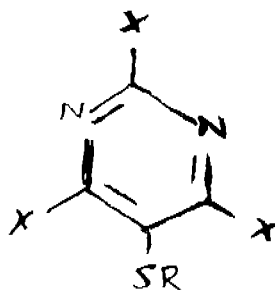
## 1 Claim

A process for producing a thiocyanopyrimidine derivative represented by the following general formula (I) of the accompanying drawings.



Formula I

Wherein R means an alkyl group having 1—3 carbon atoms and X denotes a halogen atom, which comprises reacting in an organic acid solvent a pyrimidine derivative represented by the following general formula (II).



wherein R and X have the same meaning as defined above, with a thiocyanate represented by the following general formula (III).



wherein M means an alkali metal or ammonium.

Compl. Specn. 39 pages.

Drg. 1 sheet.

CLASS : 133-A.

162076

Int. Cl. : H 02 D 7/00.

### IMPROVED TWO SPEED MOTOR CONTROL SYSTEM.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, P. O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventors : 1. GREGORY JOHN PAPSON, 2. ADOLPH LOUIS TROLLI.

Application No. 412 Cal/85 filed May 31, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A two speed motor control system for a motor having a high speed breaker closable to operate the motor at high speed, a low speed breaker closable to operate the motor at low speed, and a stop breaker closable to stop the motor, comprising :

a start switch manually operable to start the motor at high or low speed;

motor start permissive means connected to said start switch and having a plurality of inputs for receiving permissive signals indicative of conditions acceptable for the motor to be started, said motor start permissive means having an output for generating a start signal when the start switch is operated and when all of the said permissive signals are received;

high speed selector means operable by an operator to select high speed operation for the motor, said high speed selector means being connected to said motor start permissive means output for initiating high speed operation of the motor;

low speed selector means activatable by an operator for initiating low speed operation of the motor, said low speed selector means being connected to said motor start permissive means output for initiating low speed operation of the motor;

high speed start permissive means connected to said high speed selector means and having a plurality of inputs for establishing permissive conditions for starting the motor at high speed, said high speed start permissive means connected to the high speed breaker;

low speed start permissive means connected to said low speed selected means and having inputs for establishing permissive conditions for a low speed start of the motor, said low speed start permissive means connected to the low speed breaker; and

abort means connected to said high and low speed breakers and to said stop breaker for selectively operating said breakers upon the occurrence of a start up or transfer failure.

Compl. Specn. 16 pages.

Drgs. 2 sheets.

CLASS : 130-F.

162077

Int. Cl. : B 22 d 5/00.

A DISCHARGE APPARATUS, PARTICULARLY FOR CONTROLLING THE DISCHARGE OF MOLTEN MATERIAL FROM A METALLURGICAL VESSEL.

Applicant : METACON AG., OF OERLIKONERSTR. 88 CH-8057 ZURICH, SWITZERLAND.

Inventors : 1. EDUARD BIERBAUM, 2. WALTER VETTERLI.

Application No. 462/Cal/85 filed June 21, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

In a discharge structure, particularly for controlling the discharge of molten metal from a metallurgical vessel, of the type including a refractory plate, a mounting frame supporting said refractory plate, an exchangeable refractory nozzle, a mounting sleeve surrounding and supporting said nozzle, lock means between said sleeve and said frame for locking said sleeve and said nozzle to said frame in a position with an inner end face of said nozzle urged toward a confronting surface of said refractory plate, and a refractory joint forming a seal between said end face and said surface the improvement of means spacing said end face and said surface by a predetermined distance and thereby for forming said joint of a predetermined thickness, said spacing means comprising :

abutment means, extending from said frame and abutted by an inner end of said nozzle, for forming an axial support for said nozzle upon said lock means urging said nozzle toward said plate.

Compl. Specn. 12 pages.

Drg. 1 sheet.

CLASS : 120-B<sub>4</sub>.

162078

Int. Cl. : F 16 n 1/00.

APPARATUS FOR CONTINUOUSLY BRUSHING AND LUBRICATING ROLLS OF ROLLING MILLS FOR FLAT ROLLED PRODUCTS.

Applicant : CEGEDUR SOCIETE DE TRANSFORMATION DE L'ALUMINIUM PECHINEY, OF 23, RUE BALZAC 75008, PARIS, FRANCE.

Inventor : 1. ROBERT RICHARD.

Application No. 533/Cal/85 filed July 18, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

Apparatus for lubricating and brushing rolling mill rolls (2a, 2b) for rolled flat products comprising :

two tight enclosures (4a, 4b), each being applied against one of the working rolls by way of a peripheral sealing means (5).

at least one feed pipe (7a, 7b) and discharge pipe (8a, 8b) for the rolling lubricant on each thereof,

two rotary brushes (6a, 6b) in contact with the rolls, the axes of which are parallel to the axes of the rolls and which are disposed within said enclosures, characterised in that the discharge pipe or pipes (8a, 8b) for the lubricant is or are disposed substantially at the same level as the axis of rotation of each of the brushes (6a, 6b).

Compl. Specn. 6 pages. Drg. 1 sheet.

Class. 195-C.

162079.

Int. Cl. F 16 k 3/00.

#### GATE VALVE.

Applicant: KLEIN, SCHANZLIN & BECKER AKTIEN-GESELLSCHAFT, OF POSTFACH 225, JOHANN-KLEIN-STRASSE 9, D-6710 FRANKENTHAL (PFALZ) FEDERAL REPUBLIC OF GERMANY.

Inventor: 1. ROLF AUGSBURGER.

Application No. 678/Cal/85 filed September 24, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims

A gate valve comprising a housing defining a passage leading therethrough for flow of fluid in a defined direction, a sliding valve member, a drive screw adapted to shift said valve member between a position opening and a position shutting off said passage and having sealing faces thereon adapted to cooperate with seat faces in said housing and being arranged outside said housing in an open position of said valve, at least one guide member arranged in said flow passage, said guide member having a narrow cross section in the direction of such flow having at least one guide face adjacent a plane containing said seat face, said guide member extending from a position adjacent said shut position towards said open position.

Compl. Specn. 6 pages.

Drg. 2 sheets.

Class. 67-C.

162080.

Int. Cl. F 15 b 9/00.

#### A PNEUMATIC SERVO ASSEMBLY FOR AN ELECTRO-PNEUMATIC CONTROL SYSTEM.

Applicant: THE BABCOCK & WILCOX COMPANY, OF 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventor: 1. CHRISTINE BROBST BARNES.

Application No. 2/Cal/87 filed January 1, 1987.

Division of Application No. 125/Cal/84 dated 22nd February, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 7 Claims.

A pneumatic servo assembly for an electro-pneumatic control system comprising:

a pneumatic backpressure nozzle for providing a pneumatic output signal in response to a movable input restriction blocking said nozzle;

electric motor means for moving the movable restriction with respect to said nozzle; and

a bellows assembly connected to said nozzle to expand and contract in response to the pressure from said nozzle.

Compl. Specn. 14 pages.

Drg. 2 sheets.

CLASS: 69 I & 199.

162081

Int. Class:—H01h 29/00 & 35/00.

#### "AN ELECTRIC SWITCH FOR AN ELECTRIC MOTOR COUPLED TO PUMP SUPPLYING WATER TO AN OVERHEAD TANK".

Applicant:—EVERKLEEN SANITARY PRODUCTS PVT. LTD., MISSION COMPOUND BEGUM BRIDGE ROAD, MEERUT-250001, INDIA, AN INDIAN COMPANY.

Inventor:—LAL CHAND KHANNA.

Application for patent No. 841/Del/84 filed on 29th October 1984.

Complete specification left on 5th February, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### 4 Claims

An electrical switch for an electric motor coupled to a pump for supplying water to an overhead tank, which comprises a pivoted arm on a support in an elongate tubular casing in the tank and supporting an electrical contact which constitutes the movable contact of the switch a fixed contact secured to said support remote from pivot of said arm, both said contacts being connected to a circuit for supplying electric current to the motor, a vertical rod hinged at its upper end to said pivoted arm, a float in the housing for raising or lowering said rod, abutting against an upper motion limiting member or a lower motion limiting member when water reaches predetermined upper level or lower level and separating said contacts or bringing the contacts together interrupting or permitting the flow of electric current through the electric motor thus stopping the pump or driving the pump to supply water to the tank.

(Provisional specification 5 pages).

(Complete specification 11 pages Drawing 1 sheet).

Class:—129 Q.

162082

Int. Class: G05b 13/00 & B29c 27/00.

#### "DEVICE FOR THE CONTROL OF THE WELDING TIME OF AN ELECTRICAL WELDING UNION IN COMBINATION WITH SAID ELECTRICAL WELDED UNION".

Applicant:—SOCIETE ANONYME MONEGASQUE TOUTELECTRIC, OF "LES INDUSTRIES", 2 RUE DU STADE, MONACO.

Inventor:—GERARD GRANDCLEMENT.

Application for patent No. 868/Del/84 filed on 15th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

#### 4 Claims

A device for the control of the welding time of an electrical welding union in combination with said electrical welding union, said welding union having a first tube located within said union, a second tube also located within said union and adapted to be fused with said first tube, a coil embedded within said union, said coils being connected to a terminal connected to an electrical source of energy, a hole provided radially in the wall of the said union adjacent to said coil and a sensor located in said hole or near its mouth to capture the variations in the property of the material in the softening zone, the information coming from the said sensor being transmitted to said welding union, in such a way that for a determined value of said material corresponding to the achievement of the weld, such corresponding information determining the shut off of the current to said device.

(Complete specification 9 pages

Drawing 2 sheet)

Class : 48 A (4).

162083

Int. Class : H01b 11/00, 13/16.

Title : A METHOD OF MANUFACTURING A COATED OPTICAL FIBRE.

Applicant : STC PLC FORMERLY KNOWN AS STANDARD TELEPHONES AND CABLES PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF 190 STRAND, LONDON WC2R 1DU, ENGLAND.

Inventor : MICHAEL GRANT SCOTT.

Application for Patent No. 876/Del/84 filed on 19th November, 1984.

Convention date December 6/1983 (U.K.) 8332545.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## 7 Claims

A method of manufacturing a coated optical fibre comprising the steps of applying a layer of a coating material such as herein described to an optical fibre and subsequently locally heating, by a laser beam, the coating material on an optical fibre whereby to induce a physical or chemical change therein.

(Complete Specification 6 Pages Drawing 1 Sheet).

CLASS : 81.

162084

Int. Cl. : G08b 17/00.

Title : APPARATUS FOR TESTING A FIRE DETECTION SYSTEM.

Applicant : SANTA BARBARA RESEARCH CENTER, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF CALIFORNIA, UNITED STATES OF AMERICA, HAVING A PRINCIPAL PLACE OF BUSINESS AT 75 CORMAR DRIVE, GOLETA, STATE OF CALIFORNIA, UNITED STATES OF AMERICA.

Inventors : MARK THOMAS KERN & STEVEN EDWARD HODGES.

Application for Patent No. 883/Del/84 filed on 21st November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110 005.

## 18 Claims

Apparatus for testing a fire detection system consisting of a fiber optics element having a detector responsive to light transmitted through said fiber coupled to the proximal end thereof and a light pick-up coupled to the distal end thereof, said apparatus comprising :

a reflective/transmissive member mounted at the distal end of the fiber optics element for reflecting light reaching the member from said element while passing the light directed in the opposite direction into said fiber optics element;

a light source coupled to the fiber optics element for emitting a light pulse into said element in the direction of the reflective/transmissive member; and

control circuitry for selectively controlling the light source to emit light pulses and coupled to receive output signals from the detector corresponding to the reflection of said light pulses by said reflective/transmissive members in order to test the integrity of the fire detecting system.

(Compl. Specn. 17 pages.

Drgs. 2 sheets.

CLASS : 130 D.

162085

Int. Cl. : C22b 19/20, 25/02.

Title : A METHOD FOR RECOVERING THE METAL VALUES FROM MATERIALS CONTAINING TIN AND/OR ZINC.

Applicant : BOLIDEN AKTIEBOLAG, A SWEDISH COMPANY, OF STUREGATAN 22, BOX 5508, S-11485 STOCKHOLM, SWEDEN.

Inventors : LEIF JOHANSSON, STIG ARVID PETERS-SON & BENGT OTTO RUDLING.

Application for Patent No. 967/Del/84 filed on 28th December, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110 005.

## 6 Claims

A method for recovering the metal values from materials containing tin and/or zinc by smelting the materials under oxidizing conditions and reducing the resultant molten bath, characterized by effecting the smelting process in a furnace while charging a flux such as herein described thereto, to form a slag which is sluggish at the selected reduction temperature, and at low lead contents; effecting the reduction of the slag by the addition of solid carbonaceous reduction agent and also sulphur and/or chlorine donor material into the slag; bringing the reduction agent and any added donor material into suspension in the slag; sustaining the suspension at least during a later phase of the reduction period in which the lead content of the slag has fallen to beneath about 1-2% by weight of the slag at which later phase the reduction of zinc and tin takes place; removing zinc from the furnace as zinc vapour, removing tin present as volatile tin sulphide, chloride and oxide; and removing lead and any other metal values present as a molten lead phase.

Compl. Specn. 13 pages.

Drg. 1 sheet.

Class : 188.

162086

Int. Class : C23c 11/08.

Title : INSULATIVE COATING COMPOSITION FOR ELECTRICAL STEELS.

Applicant : ARMCO INC., A CORPORATION OF THE STATE OF OHIO, OF 703 CURTIS STREET, MIDDLETOWN, OHIO, UNITED STATES OF AMERICA.

Inventors : MICHAEL HARRIS HASELKORN.

Application for Patent No. 18/Del/85 filed on 11th January, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

## 7 Claims

An aqueous coating composition for forming an insulative coating directly on electrical steels and on electrical steels having a mill glass thereon, said composition consisting essentially of, on a water-free basis, from 3 parts to 11 parts by weight

Al<sup>+++</sup> calculated as Al<sub>2</sub>O<sub>3</sub>, from 3 parts to 15 parts by weight Mg<sup>++</sup> calculated as MgO, from 78 parts to 87 parts

by weight H<sub>2</sub>PO<sub>4</sub><sup>-</sup> calculated as H<sub>3</sub>PO<sub>4</sub>, the sum of said Al<sup>+++</sup>, Mg<sup>++</sup> and H<sub>2</sub>PO<sub>4</sub><sup>-</sup> totalling 100 parts by weight on a water-free basis calculated as Al<sub>2</sub>O<sub>3</sub>, MgO and H<sub>3</sub>PO<sub>4</sub>, [respectively, characterised in that said composition contains from 30 parts to 250 parts by weight of aluminium silicate calculated as Al<sub>2</sub>O<sub>3</sub> · SiO<sub>4</sub> per 100 parts of Al<sub>2</sub>O<sub>3</sub>, MgO, and H<sub>3</sub>PO<sub>4</sub>, on a water-free basis at least 50% by weight of said composition being water.

(Complete Specification 20 Pages).

CLASS : 40 B.

162087

3 claims

Int. Class : B01j 11/06.

**A PROCESS FOR THE PREPARATION OF ALUMINA BASED NICKEL CATALYSTS.**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : MOHAMMED KHADIRUZ-ZAMAN KHAN, ESHWAR RAJ SAXENA, KAMALAKAR SUKHADEO-RAO PATIL & MANGALAM MARGABANDHUMAL-LIKARJUNAN.

Application for Patent No. 22/Del/85 filed on 14th January, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office Branch, New Delhi-5.

9 claims

A process for the preparation of alumina based nickel catalyst for selective hydrogenation of aromatics, which comprises preparing alumina by dissolving alumina fillings in dilute HCl solution followed by precipitating aluminium as  $Al(OH)_3$  with dilute  $NH_3$  washing and drying the resultant activated alumina, impregnating the activated alumina with a solution of nickel salt, precipitating nickel carbonate in the pores of alumina by treatment with  $Na_2CO_3$ , drying and calcining to obtain nickel oxide alumina catalyst pelletising by powder glue distilled water and oleic acid and calcining the resultant product by known methods.

Compl. Specn. 12 pages.

CLASS : 690

162088

Int. Class HO1h 1/00.

**CONTACT FOR HIGH CURRENT ELECTRICAL SWITCH DEVICES.**

Applicant : VACUUM INTERRUPTERS LIMITED, A BRITISH COMPANY, OF 68 BALLARDS LANE, FINCHLEY, LONDON N3 2BU, ENGLAND

Inventor : LESLIE THOMAS FALKINGHAM.

Application for Patent No. 44/Del/85 filed on 23rd January, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

9 claims

A contact for high current electrical switch devices comprising an electrically conducting member having a base and an annular wall upstanding from said base, the electrically conducting member having a plurality of slots therein, characterised in that each slot extends through at least the part of the upstanding wall adjacent the base in a generally helical direction and, from its junction with the base, extends partly across the base in a chordal direction so as to cause the arc, formed upon separation of said electrically conducting member from another like conducting member to be immediately and rapidly rotated.

Compl. Specn. 10 pages. Drg. sheets 2.

CLASS : 188.

162089

Int. Class : C23c 1/12.

**AN IMPROVED METHOD OF GALVANISING FERROUS ARTICLES.**

Applicant : JOHN LYSAGHT INTERNATIONAL HOLDINGS S.A., a COMPANY INCORPORATED UNDER THE LAWS OF PANAMA OF 16TH FLOOR, WANG KEE BUILDING, CONNAUGHT, HONG KONG CENTRAL.

Inventor : GRAHAM JOHN HARVEY.

Application for Patent No. 82/Del/85 filed on 4th February, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

An improved method of galvanising ferrous articles comprising the steps of directing the articles through a molten flux into a molten lead bath containing aluminium and, thence, upwardly through a molten zinc galvanising bath characterised in that the galvanising bath contains magnesium in an amount between 0.01 percent and 0.10 percent by weight.

Compl. Specn. 5 pages. Drg. 1 sheet.

Class :—32F2(b).

162090

Int. Class :—C07d 27/56.

**"PROCESS FOR PREPARING 2-OXINDOLE-1-CARBOXAMIDES COMPOUNDS AND A PHARMACEUTICALLY-ACCEPTABLE BASE SALT THEREOF".**

Applicant :—PFIZER INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 235 EAST, 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

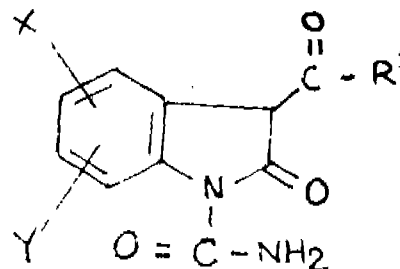
Inventor—SAUL BERNARD KADIN.

Application for patent No. 147 Del/1985 filed on 21st February, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(9 Claims)

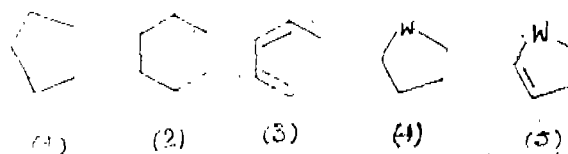
A process for preparing a 2-oxindole-1 carboxamides compounds of the formula I



and a pharmaceutically-acceptable base salt thereof wherein X is hydrogen, fluoro, chloro, bromo, alkyl having 1 to 4 carbons, cycloalkyl having 3 to 7 carbons, alkoxy having 1 to 4 carbons, alkylthio having 1 to 4 carbons, trifluoromethyl, alkylsulfinyl having 1 to 4 carbons, alkylsulfonyl having 1 to 4 carbons, nitro, phenyl, alkanoyl having 2 to 4 carbons, benzoyl, thenoyl, alkanamido having 2 to 4 carbons, benzamido or N, N-dialkylsulfamoyl having 1 to 3 carbons in each of said alkyls; and Y is hydrogen, fluoro, chloro, bromo, alkyl having 1 to 4 carbons cycloalkyl having 3 to 7 carbons, alkoxy having 1 to 4 carbons, alkylthio having 1 to 4 carbons or trifluoromethyl;

or X and Y when taken together are a 4, 5-, 5, 6-, or 6, 7- methylenedioxy group or a 4, 5-, 5, 6-, or 6, 7-, ethylenedioxy group.

or X and Y when taken together and when attached to adjacent carbon atoms, form a divalent radical Z, wherein Z is selected from the group shown in formulae 1, 2, 3, 4 and 5

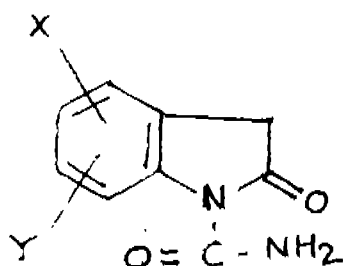


wherein W is oxygen or sulfur;



$R^1$  is alkyl having 1 to 6 carbons, cycloalkyl having 3 to 7 carbons, cycloalkenyl having 4 to 7 carbons, phenyl, substituted phenyl, phenylalkyl having 1 to 3 carbons in said alkyl, (substituted phenyl) alkyl having 1 to 3 carbons in said alkyl, phenoxyalkyl having 1 to 3 carbons in said alkyl, (substituted phenoxy) alkyl having 1 to 3 carbons in said alkyl, (thiophenoxy) alkyl having 1 to 3 carbons in said alkyl, naphthyl, bicyclo (2.2.1.) heptan-2-yl, bicyclo (2.2.1.) hept-5-on-2-yl or  $-(CH_2)_n-O-R^2$ ;

wherein the substituent on said substituted phenyl, said (substituted phenyl) alkyl and said (substituted phenoxy) alkyl is fluoro, bromo, chloro, alkyl having 1 to 4 carbons, alkoxy having 1 to 4 carbons or trifluoromethyl,  $n$  is zero, 1 or 2;  $Q$  is a divalent radical derived from a compound selected from furan, thiophene, pyrrole, pyrazole, imidazole, thiazole, isothiazole, oxazole, isoxazole, 1, 2, 3-thiadiazole, 1, 3, 4-thiadiazole, 1, 2, 5-thiadiazole, tetrahydrofuran, tetrahydrothiophene, tetrahydropyran, tetrahydrothio-pyran, pyridine, pyrimidine, pyrazine, benzo (b) furan and benzo (b) thiophene; and  $R^2$  is hydrogen or alkyl having 1 to 3 carbons; characterized in that a compound of the formula I



wherein  $X$  and  $Y$  have the meaning given above is reacted with an activated derivative of a carboxylic acid of the formula  $R^1-C(=O)-OH$  wherein  $R^1$  is defined above to produce the compound of formula I of the drawings and converting the same by known manner to a pharmaceutically acceptable base salt.

(Complete specification 84 pages Drawing 4 sheets).

CLASS : 129 O.

162091

Int. Class : B44b 5/00 & B41m 5/24.

"APPARATUS FOR PROVIDING AN IDENTIFYING INDICIUM TO A DIAMOND".

Applicant—LAZARE KAPLAN & SONS, INC., of 666 5th Avenue, New York, New York 10019, United States of America, a corporation organized under the laws of the State of New York, United States of America.

Inventors—HERBERT DAVID GRESSER, GEORGE RENE KAPLAN & JOSEPH NUSSENBOUM.

Application for patent no. 371/Del/82 filed on 18th May, 1982.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(9 Claims)

An apparatus for providing an identifying indicium to a diamond comprising: a device (7) for supporting a diamond comprising: a stationary support (75) and mounted on said support (75), a plurality of superimposed tables (71-74), each of said stack of superimposed tables being movable in one of a system of mutually orthogonal coordinates, and a plurality of stepping motors 76-79) respectively connected to each of said tables (71-74) to selectively move each said table; a control device (8) comprising a plurality of drive elements (81-84) respectively connected to each of said motors (76-79) to provide an activation signal to each said motor, a manual control means (86) connected to said plural drive elements (81-84), a microprocessor (85) having an output connected to said plural drive elements (81-84)

2—517/GI/87

and an electronic memory (87) having an output connected to an input of said microprocessor (85); a laser beam generator means (2) comprising a laser source (21) and a power supply (24) connected to said source (21) and to an output of the microprocessor (85); and an optical means (6) comprising a first and a second scanner (61, 63) for intermittently deflecting in a first and second direction, respectively, the laser beam from the laser generator means (2), and scan generators (69, 70) to control the scanners (61, 63) respectively and connected to an output of the microprocessor (85); and a focusing means (66) for focusing the laser beam on the surface of the diamond supported on the device (7).

(Complete specification 20 pages Drawing 1 sheet).

CLASS : 32B.

162092

Int. Class : 07c 3/00.

"PROCESS FOR THE PRODUCTION OF STYRENE OR METHYLSTYRENE".

Application for patent No. 756/Del/84 filed on 26th State of Delaware with its principal place of business at 'Ten UOP Plaza' Algonquin & Mt Prospect Roads' Des Plaines' Illinois 60016, U.S.A.

Inventor :—TAMOTSUIMAI.

Application for patent No 756/Del/84 filed on 26th September'84.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi—5.

(3 claims)

A process for the production of styrene or methylstyrene in which a reactant stream comprising ethylbenzene or ethyltoluene is contacted with a plurality of beds of dehydrogenation catalyst of the kind such as herein described maintained at dehydrogenation conditions which include a subatmospheric pressure a temperature of 565 to 675°C a pressure of 100 to 750 mm Hg and a space velocity of 0.1 to 2.0 hr<sup>-1</sup> and the presence of steam and thereby forming a dehydrogenation zone effluent stream comprising the feed hydrocarbon, a corresponding product hydrocarbon, hydrogen and steam; and product hydrocarbon is recovered by fractional distillation from a liquid stream produced by partial condensation of the dehydrogenation zone effluent, steam characterized by: recovering the styrene or methyl styrene from the dehydrogenation zone effluent steam by

(a) cooling the dehydrogenation zone effluent steam by indirect heat exchange against the reactant stream with less than 5 mole percent condensation of steam or ethyl benzene or ethyl toluene present in the reactant steam;

(b) compressing the dehydrogenation zone effluent steam in a first mechanical compressing means to a pressure higher than the exist pressure of the dehydrogenation zone but less than 1 atmosphere absolute;

(c) partially condensing the dehydrogenation zone effluent stream by indirect heat exchange and thereby producing a mixed—phase process stream; and

(d) separating the mixed—phase process stream in a vaporliquid separator, maintained at a pressure less than 1 atmosphere absolute through the use of a second mechanical compressing means, into a vapor-phase process stream comprising hydrogen and which is withdrawn through the second compressing means and the liquid-phase process stream from which the product hydrocarbon is recovered by fractional distillation.

(complete specification, 22 pages—Drawing 1 sheet).

CLASS : 32E.

162093

Int. Cl. C 0 8f 1/100.

"A LIQUID PHASE PROCESS FOR THE CATIONIC POLYMERISATION OF 1-OLEFINS".

Applicant : BP CHEMICALS LIMITED, a British company, of Belgrave House, 76 Buckingham Palace Road, London SW1 W0SU, England.

Inventor : JOHN NORMAN REID SAMSON.

Application for patent no. 845/Del/84 filed on 30th October, 1984.

Convention date 1st November, 1983/8329082/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5

7 claims

A liquid phase process for the cationic polymerisation of a hydrocarbon feedstock comprising 1-olefins in the presence of boron trifluoride as catalyst at a temperature between  $-100$  and  $+50^{\circ}\text{C}$  characterised in that the catalyst is a preformed complex of boron trifluoride and an alcohol and the contact time of the polymerisation reaction is at least 8 minutes such that at least 70% of the unsaturated linkages in the polymer product are in the terminal position.

Compl. Specn. 14 pages.

CLASS : 195 A, B &amp; C.

162094

Int. Cl. F 16k 15/04, 21/08, 3/26 &amp; 5/04.

Title : A BALL VALVE.

Applicant: SMITH VALVE CORPORATION, a Massachusetts corporation, of P.O. Box 1000, Westboro, Massachusetts 01581, United States of America.

Inventor : BRUCE LANCASTER HARDING.

Application for Patent No. 896/Del/84 filed on 26th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110 005.

6 claims

A ball valve comprising in combination: a valve body having a cylindrical bonnet bore communicating with a through fluid bore; valve seat in said valve body surrounding the fluid bore axis; an externally cylindrical bonnet rotatably received in said bonnet bore, said bonnet having a stem bore existing therethrough; a stem journaled for rotation in said stem bore about an axis which remains coincident with the stem bore axis; a ball in said fluid bore, said ball provides a through passageway and being fixed to said stem for rotation therewith; the axis of said stem bore being offset with respect to the rotational axis of said bonnet and the centre of said ball being offset with respect to the rotational axis of said stem, whereupon by selected rotation of said bonnet and said stem during initial assembly of said valve, said ball may be located in a closed position against said valve seat, after which said bonnet is fixed in said bonnet bore, thereby permitting said ball to be subsequently operated between said closed position and an open position aligning said through passageway with said fluid bore by rotating said stem in relation to the thus fixed bonnet.

Compl Specn. 12 pages. Drgs. 3 sheets.

CLASS : 32 B.

162095

Int. Cl. C07c 7/00.

"A PROCESS FOR SWEETENING A SOUR HYDROCARBON FRACTION CONTAINING MERCAPTANS".

Applicant : UOP INC., of Ten UOP Plaza, Algonquin & Mt. Prospect Roads, Des Plaines, Illinois 60016, U.S.A., a corporation organised under the laws of the State of Delaware in the United States of America, with its principal place of business located at Ten UOP Plaza

Inventor : ROBERT ROY FRAME.

Application for patent no. 905/Del/84 filed on 27th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

8 claims

A process for sweetening a sour hydrocarbon fraction containing mercaptan which comprises reacting mercaptans contained in said hydrocarbon fraction with any known oxidizing agent by passing said hydrocarbon fraction and said oxidizing agent into contact with a bed of a catalytic composite comprising any known metal chelate mercaptan oxidation catalyst and any known solid carrier material having an average particle size of less than about 110 mesh preferably from 115 to 200 mesh, in the absence of an alkaline reagent.

Compl. Specn. 15 pages. Drg. 1 sheet.

CLASS : 32 D.

162096

Int. Cl. C07c 165/00.

Title : PROCESS FOR PREPARING DIARYL TELLURIUM DERIVATIVES.

Applicant : KRISHAN KUMAR of Maharishi Dayanand University, Rohtak, Haryana, Indian national.

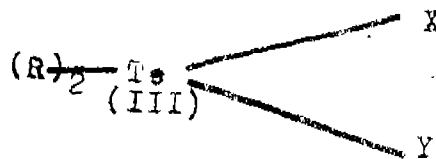
Inventors: BISHAN LAL, KHANDELWAL, AJAY KUMAR SINGH & RAMESH KUMAR MEHTA.

Application for Patent No. 953/Del/84 filed on 20th December, 1984.

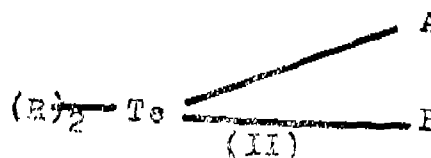
9 claims

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110 005.

A process for preparing diaryltellurium derivatives of general formula (III)



wherein (R)<sub>2</sub> represents an hydroxy aryl group for example, hydroxyphenyl; 1, 2-dihydroxyphenyl; 1, 3-dihydroxyphenyl; 1-hydroxy-2-methylphenyl, 1-hydroxy-3-methylphenyl etc; X and Y both are hydroxy groups or one is hydroxy and the other one a halo-group, which comprises reaction of a diaryl tellurium compound of general formula (II)



wherein (R)<sub>2</sub> represents same as stated above, A and B both are halo groups or one is a halo group and the other a hydroxy group with an alkali metal hydroxide and the product obtained, is washed with water and acetone successively.

Compl. Specn. 14 pages.

CLASS : 130 I

162097

Int. Cl. C22b 15/08.

Title : AN IMPROVED PROCESS FOR THE EXTRACTION OF COPPER FROM CHALCOPYRITE CONCENTRATE THROUGH BACTERIAL LEACHING TECHNIQUE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Rafi Marg, New Delhi-110 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : LALA BEHARI SUKLA, GOUTAM ROY-CHOUDHURY & RADHANATH PRASAD DAS.

Application for Patent No. 173/Del/85 filed on 5th March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110 005.

5 claims

An improved process for the extraction of copper from chalcopyrite concentrate which comprises leaching the concentrate in an acidic medium containing sulfur oxidising bacteria such as the microorganism isolated from pyrite mine water characterised in that the leaching is done at room temperature in the presence of silver nitrate as catalyst, filtering, washing the filtrate containing copper sulphate with water and extracting copper therefrom by conventional methods.

Compl. Specn. 6 pages.

CLASS : 116 G.

162098

Int. Cl. B65g 65/26.

Title : APPARATUS FOR UNLOADING BULK MATERIAL SUCH AS FLY ASH.

Applicant : FULLER COMPANY, a corporation organised under the laws of the State of Delaware, of 2040 Avenue "C" P.O. Box 2040, Bethlehem, Pennsylvania, United States of America.

Inventor : RICHARD WILLIAM JOCSAK.

Application for Patent No. 253/Del/85 filed on 25th March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110 005.

6 claims

Apparatus for unloading bulk material such as fly ash to be discharged from a vessel (1) having an outlet (4) comprising :

a level box (10) having an inlet (11) for receiving material from the vessel and an outlet (24);

a valve (12) connecting the outlet (4) of the vessel and inlet (11) of the level box (10) for controlling the rate at which material is discharged from the vessel into the level box;

a material conditioner (25) having an inlet (27) connected to the outlet (24) of the level box, means (54, 50, 51) for supplying liquid to the material in the conditioner (25) for wetting and dedusting the material, and an outlet (40) for wetted material;

a level sensor (60) for sensing the depth of material in the level box (25);

said valve (12) being operatively connected to the level sensor so that as the depth of material in the level box decreases the valve permits an increase in the rate of flow of material from the vessel to the level box to maintain substantially constant the rate of flow of material from the vessel to the material conditioner; and

said means (56,50,51) for supplying liquid to the material in the conditioner (25) being operatively connected to the level sensor for controlling the quantity of liquid supplied to the material in response to the depth of material in the level box.

Compl. Specn. 19 pages. Drgs. 3 sheets.

Class : 32E.

162099

Int. Class : C08g 31/00.

"A PROCESS FOR PRODUCING A POLYMER WITH ETHYLENIC UNSATURATIONS INCORPORATING SILYLMETALLOCENE".

Applicant : SOCIETE NATIONALE DES POUDRES ET EXPLOSIFS, of 12 Quai Henri IV, 75181 Paris Cedex 04-France, a French company.

Inventors : JEAN CLAUDE GAUTIER, MICHEL FONTANILLE AND SERGE RAYNAL.

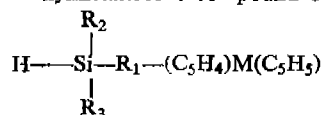
Application for patent no. 502/Del/85 filed on 26th June, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

(8 claims)

A process for producing a polymer characterised in that, said process comprises the following steps :

(a) reacting, in the presence of a hydrosilylation, catalyst, a polymer incorporating ethylenic unsaturations, with a silylmetalocene compound of the following formula :



in which: M denotes a transition metal chosen from the group comprising iron, osmium, titanium, nickel, cobalt, Manganese and ruthenium;

R<sub>1</sub> denotes a substituted or unsubstituted aliphatic residue or a substituted or unsubstituted aromatic residue;

R<sub>2</sub> and R<sub>3</sub>, which may be different or identical,

denote a substituted or unsubstituted aliphatic residue, a substituted or unsubstituted aromatic residue of a group [R<sub>1</sub>-(C<sub>5</sub>H<sub>4</sub>)M(C<sub>5</sub>H)]

(b) precipitating the resultant polymer by mixing the reaction medium with a compound or mixture of compounds which is not a solvent for the said polymer;

(c) separating the said precipitated polymer from the reaction medium.

(Complete specification 21 pages).

CLASS : 129 O.

162100

Int. Cl. B44b 5/00 & B41m 5/24.

"METHOD FOR PRODUCING AT LEAST ONE INDELIBLE IDENTIFYING INDICIUM ON A SURFACE OF A DIAMOND".

Applicant : LAZARE KAPLAN & SONS INC., a corporation organised under the laws of the State of New York, United States of America, of 666 5th Avenue, New York New York 100019, United States of America.

Inventors : HERBERT DAVID GRESSER, GEORGE RENE KAPLAN AND JOSEPH NUSSENBAUM.

Application for patent No. 698/Del/85 filed on 22nd August, 1985.

Divisional to patent application no. 371/Del/82 dated 18-5-1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110 005.

5 claims

A method for producing at least one indelible identifying indicium on a surface of a diamond comprising :

applying to the surface of the diamond, which is to carry the indicium, an energy absorbing material;

selecting the surface of the diamond to be inscribed and positioning the diamond in confronting relationship with the laser beam source;

graphitizing and inscribing a first elemental area on the surface of the diamond and partially graphitizing and conditioning an area surrounding said first elemental area by applying to said elemental area a laser beam with an exposure within a range of from 1 to 100 microns and sufficient power and intensity to graphitize said elemental area;

further graphitizing and inscribing successive elemental areas on the surface of the diamond along a path corresponding to the indicium and partially graphitizing and conditioning the area surrounding each said successive elemental area, each said successive elemental area overlapping the immediately preceding elemental area, said further graphitizing being effected by applying the positioning said laser beam intermittently so that the beam at each succeeding application covers a further said elemental area which overlaps the preceding elemental area, the laser beam being at a lower level of power than at the initial application to graphitize said first elemental area so that it is just sufficient to graphitize and inscribe said successive elemental areas.

Compl. Specn. 20 pages. Drg. 1 sheet.

CLASS : 35-F; 85-J.

162101

Int. Cl. B 01 j 1/00; F 23 j 1/00.

APPARATUS FOR THE DRAINING OF GRANULAR MATERIAL, PARTICULARLY GRANULATED BLAST-FURNACE SLAG.

Applicant: AJO-STAHLEBAU GMBH & CO. KG., POSTFACH 12 24 D-5905 FREUDENBERG, WEST GERMANY.

Inventors : 1. ERICH MULLER-SPATH,

2. KONRAD MULLER,

3. DR. HEINZ KISTER,

4. WALTER SCHURHOFF,

5. DR. F. W. HILNBUTTER.

6. WALTER LAUCHT.

Application No. 798/Del/83 filed June 28, 1983.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

19 claims

An apparatus for draining liquid from loose granular material, which apparatus comprises :

a plurality of perforated bowls mounted on a rotatable wheel for receiving a liquid/granular material mixture and for draining the liquid from the granular material;

a conveyor;

means for transferring the drained granular material from the perforated bowls on to the conveyor; and

means for clarifying the liquid draining from the granular material, a trough for collecting the liquid draining from the granular material, the trough being provided along its length with at least one filter channel which has a perforated base for collecting floating and suspended particles.

Compl. Specn. 15 pages. Drgs. 4 sheets.

CLASS : 105-C.

162102

Int. Cl. G 05 d 16/00.

AUTOMATIC PRESSURE SENSITIVE REGULATION ASSEMBLY.

Applicant : STONE & WEBSTER ENGINEERING CORPORATION, OF 245 SUMMER STREET, BOSTON, SUFFOLK COUNTY, MASSACHUSETTS 02107, UNITED STATES OF AMERICA.

Inventor : 1. RICHARD COCHRANL NORTON

Application No. 873/Cal/83 filed July 13, 1983.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta

6 claims

An automatic pressure sensitive regulation assembly for regulating the flow of particulate solids between upstream and downstream reservoirs of particulate solids by metering the flow of fluid provided to urge the particulate solids to flow from the upstream reservoir to the downstream reservoir comprising :

means for the passage of particulate solids between said upstream and downstream reservoir;

at least one source of pressurized fluid;

a first pressurized fluid distributor located in the particulate solids upstream of the downstream solids reservoir in said means for the passage of the particulate solids between said upstream and downstream reservoir;

means for delivering pressurized fluid from said source of pressurized fluid through said first pressurized fluid distributor at a rate to cause incipient fluidization of the particulate solids adjacent said first pressurized fluid distributor and an attendant hydrostatic pressure;

a second pressurized fluid distributor;

means for delivering pressurized fluid from said source of pressurized fluid through the second pressurized fluid distributor to urge the particulate solids to the downstream reservoir;

and means to sense variation in said hydrostatic pressure as a function of the height of the particulate solids above the first pressurized fluid distributor and to meter the flow through the second pressurized fluid distributor of fluid provided to urge the particulate solids to the downstream reservoir as a function of said hydrostatic pressure;

whereby as the height of the particulate solids above the first pressurized fluid distributor increases, the flow of fluid to urge the solids to the downstream reservoir will become greater.

Compl. Specn. 20 pages. Drgs. 2 sheets

CLASS : 32-E.

162103

Int. Cl. C 08 f 7/00.

A STERILE SURGICAL MONOFILAMENT SUTURE.

Applicant: ETHICON INC., IN SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors : 1. EDGAR VITHAL MENEZES,

2. PETER STEINHEUSER.

Application No. 1189/Cal/83 filed September 27, 1983.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

3 claims

A sterile surgical monofilament suture comprising an ethylene-propylene copolymer, said copolymer containing from 0.3 to 7 and preferably from 0.5 to 5% of polymerized ethylene, the balance being polymerized propylene, said ethylene being present in an amount sufficient to impart a tensile strength of 40,000 to 100,000 psi; knot strength of 30,000 to 90,000 psi; break elongation of 40 to 120%; and Young's Modulus of 100,000 to 350,000.

Compl. Specn. 16 pages. Drg. Nil

CLASS : 40-F.

162104

Int. Cl. B 01 b 1/00.

APPARATUS FOR DETERMINING THE HEAT TRANSFER EFFECTIVENESS OF A REACTOR.

Applicant : The BABCOCK &amp; WILCOX COMPANY, AT 1010 COMMON STREET, P.O. : BOX 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventor : 1. SURESH CHANDRA AGARWAL.

Application No. 1332/Cal/83 filed October 29, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 claims

An apparatus for determining the heat transfer effectiveness of a reactor for containing a reaction and having coolant supply means for supplying a coolant to the reactor, the reactant supply means for supplying reactant to the reactor in heat transfer relationship with the coolant over a heat transfer area (A) and effluent discharge means for discharging effluent from the reactor, comprising :

Coolant flow rate means for measuring the flow rate of coolant (Fc) to the reactor;

means for providing values corresponding to the heat of vaporization ( $\lambda$ ) the boiling temperature ( $T_c$ ) and the specific heat ( $C_{pe}$ ) of the coolant;

inlet temperature measuring means for measuring inlet temperature ( $T_{c1}$ ) of the coolant to the reactor;

means for determining the log means temperature difference ( $\Delta T_m$ ) across the reactor;

circuit means such as herein described for calculation of the actual heat transfer coefficient (U) of the heat transfer area according to the relationship :

$$U = \frac{F_c}{A \Delta T_m} \left[ \frac{C_p (T - T_c)}{c_2 c_1} + \lambda \right] ; \text{ and}$$

means for providing a value corresponding to a heat transfer coefficient ( $U_d$ ) by reactor design, said circuit including means for establishing a heat transfer effectiveness (He) of the reactor according to the relationship :

$$\text{He} = \frac{U}{U_d}$$

Compl. Specn. 16 pages. Drg. 1 sheet.

Class. 31-A.

162105.

Int. Cl. : H 01 g 3/00.

A METHOD OF MANUFACTURING AN AUTO-REGENERABLE CAPACITOR AND A CAPACITOR MANUFACTURED BY THAT METHOD.

Applicant : ASEA-JUMET, SOCIETE ANONYME, OF ZONING INDUSTRIAL, B 6040 CHARLEROI-JUMET, BELGIUM.

Inventor : 1. FRANZ VOGLAIRE.

Application No. 1333/Cal/83 filed October 29, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A method of manufacturing an auto-regenerable capacitor including the steps of : simultaneously winding a first tape made from dielectric material metallized on one of the sides thereof, except on one of the edges, and a second tape of the same constitution as the first tape, arranged in such manner that its non-metallized edge is opposite the non-metallized edge of the first tape; inserting between the ends of the first and second wound metallized tapes an end of at least one packing tape which is non-metallized and has substantially the same width as the first and second tape; and depositing a metal layer on either side the wound edges of the first and second tapes as well as of the packing tapes; characterized in that, said method additionally includes prior to the winding thereof, placing at least two metallic sheets on the packing tape, each sheet having a length of at least  $x D$ , each sheet being spaced apart from its neighbour by at least  $x D$  and the first sheet being spaced apart from the longest of the two tapes by at least  $x D$  where  $D$  is the diameter of the completed capacitor roll.

Compl. Specn. 15 pages. Drg. 2 sheets.

CLASS : 32-C.

162106.

Int. Cl. : C01b 3/00.

A PROCESS FOR THE PARTIAL OXIDATION OF METALS-CONTAINING HYDROCARBONACEOUS FUELS.

Applicant : TEXACO DEVELOPMENT CORPORATION, OF 2000 WESTCHESTER AVENUE, WHITE PLAINS, NEW YORK 10650, UNITED STATES OF AMERICA.

Inventors : 1. ROGER MCCORMICK DILLE, 2. GEORGE NEAL RICHTER, 3. LAWRENCE E. ESTABROOK, 4. JEAN-GEORGES PHILIPPE ROHNER, 5. HAROLD ARBY RHODES.

Application No. 1402/Cal/83 filed November 16, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A process for the partial oxidation of metals-containing hydrocarbonaceous fuels for the production of synthesis gas, fuel gas, or reducing gas with a free oxygen-containing gas in the reaction zone of a free-flow noncatalytic gas generator at a temperature in the range of about 1700°F to 3500°F (927°C to 1912°C) and a pressure in the range of about 1 to 300 atmospheres (100 to 30,400 kPa) in the presence of a known temperature moderator to produce a raw gas stream comprising  $H_2$ , CO,  $H_2O$  and at least one gas from the group  $CO_2$ ,  $N_2$ , Ar,  $H_2S$ ,  $CH_4$  and COS, and containing

entrained soot, particulate carbon and ash; and contacting the raw gas stream with water in quenching and/or scrubbing zones to produce a bollons shown of soot-water dispersion and over head stream of product gas characterized by :

- (1) simultaneously passing a stream of said soot-water dispersion and a stream of liquid organic extractant through an in-line static mixer thereby providing gently non-turbulent mixing together of said streams;
- (2) passing the mixture obtained in step (1) directly through a mixing valve while simultaneously dropping the pressure across the valve thereby providing severe turbulent mixing;
- (3) introducing the mixture from (2) into a decanter with the simultaneous introduction of a separate stream of liquid organic extractant, and settling in separate layers a grey water-ash dispersion containing 70-85 wt.% or more of the total ash present in the decanter feed and a particulate carbon-soot-liquid organic extractant dispersion including the remaining ash;
- (4) separately removing each of said dispersions from the decanter;
- (5) flashing off gaseous impurities from the grey water-ash dispersion from (4) in a degassing zone;
- (6) introducing about 80 to 100 wt.% of the degassed grey water-ash dispersion from (5) into a solids-liquid separating zone comprising at least one solids-liquid separator selected from the group consisting of liquid cyclone, centrifuge, gravity thickener or clarifier, filter, and combinations thereof where at least a portion of the water-insoluble ash is removed to produce deashed grey-water;
- (7) introducing any remaining degassed grey water-ash dispersion from (5) into a waste water treatment facility; and
- (8) introducing at least a portion of the deashed grey water from (6) directly into the said quenching and/or scrubbing zones; and optionally recovering metals from said ash separated in said solid-liquid separating zone.

Compl. Specn. 34 pages. Drg. 1 sheet.

CLASS : 205-H.

162107.

Int. Cl. : B60c 5/00.

A VEHICLE WHEEL.

Applicant : CONTINENTAL GUMMI-WERKE AKTIEN-GESELLSCHAFT, KONIGS WORTHER PLATZ 1, 3000 HANNOVER, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. GERHARD MAUK, 2. HEINRICH JUI-NINK, 3. DR. HANS SEITZ, 4. UDO FRERICHS, 5. HEINZ-DIETER RACH, 6. DIONYSIUS POQUE.

Application No. 1456/Cal/83 filed November 26, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

24 Claims.

A vehicle wheel which has a pneumatic tyre and comprises a rigid, one-part rim and a belted tyre having a single-ply or multiple-ply carcass and substantially inextensible and/or tension-resistant core rings in the beads, wherein the rim has rim flanges and, adjacent thereto, seating surfaces for the belted tyre, characterised in that the central diameter ( $D_c$ ) of the core rings (2) corresponds approximately to the diameter ( $D_r$ ) formed by the rim flanges (7) and in that, when the tyre is in its assembled state, the distance from the centre of a core cross-section to the bead edge (a) facing the seating surface is greater than the distance to the

axially inner bead edge (b), so that the core ring (2) is eccentrically mounted in this region of the bead (3), and so that, during assembly of the tyre, the bead (3) is rotatable and/or pivotable.

Compl. Specn. 13 pages. Drg. 4 sheets.

CLASS : 112-F.

162108.

Int. Cl. : G02b 17/00.

LAMP UNIT FOR PROVIDING A PATCH OF SUBSTANTIALLY SHADOW-FREE ILLUMINATION.

Applicant : J. & D. ORAM LIMITED, OF 243 HEATH ROAD, LEIGHTON BUZZARD, BEDFORDSHIRE, ENGLAND.

Inventor : 1. JOHN ANDERSON ORAM.

Application No. 1473/Cal/83 filed December 1, 1983.

Convention dated 1st December, 1982 (82 34301) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A lamp unit for providing a patch of substantially shadow-free illumination at an image plane from a single light source, comprising two concave reflector portions each of which widens away from a respective beam-emission axis from a first end to a second end, at which second end is the beam-emitting aperture of the reflector portion, the two reflector portions confronting and overlapping each other at their first ends and having their beam-emission axes mutually divergent whereby a light source disposed between the overlapping regions of the reflector portions produces two mutually divergent beams, characterised in that each beam is convergent, and in that respective ones of the beams to combine the beams at the image plane, lens systems arranged to focus the beams at the image plane, and a prism positioned in the path of one beam to redirect that beam so as to compensate for asymmetry between the beams and to bring the focussed beams substantially into coincidence at the image plane.

Compl. Specn. 20 pages. Drg. 4 sheets.

CLASS : 195-D.

162109.

Int. Cl. F16k 31/00.

A CONTROL DEVICE FOR VALVES.

Applicant : SIEMENS AKTIENGESELLSCHAFT, WITTEL-BACHERPLATZ 2, D-8000 MUNCHEN 2, WEST GERMANY.

Inventor : 1. HEINRICH HAGENDORN, 2. BERND MOORMANN.

Application No. 143/Cal/84 filed February 27, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A control device for controlling a piston-operated valve operated by a piston moving in a cylinder, the piston and the cylinder defining a chamber at one side of the piston, the device comprising first and second electro-hydraulic transducers each of which produces as a function of an electrical signal applied to its input a hydraulic signal for controlling movement of the piston, wherein : the chamber is connected to a respective hydraulic output, from which issues the hydraulic signal, of each electrohydraulic transducer;

a negative valve is disposed between the chamber and each of the hydraulic outputs connected thereto each of which valves, when closed, preventing communication between the chamber and hydraulic output connected thereto; and the device further comprises first and second displacement monitors for monitoring the displacement of the piston within the cylinder to supply said electrical signal to one of the first and second electrohydraulic transducers respectively, first and second transducer monitors for monitoring operation of the electrohydraulic transducers, error indicating means which generates a first error signal when an error is detected in the displacement measured by one of the first and second displacement monitors, fault indicating means which generates a second error signal when a fault is detected in the operation of one of the first and second electrohydraulic transducers, and error processing means which generates, in response to a first or second error signal being received thereby a further electrical signal which causes the valves connected between the hydraulic output of the electrohydraulic transducer in which a fault has been detected or in whose associated displacement monitor an error has been detected and the chamber to close, whereby in the event of error and/or fault detection when that electrohydraulic transducer is controlling movement of the piston, control of the piston-operated valve by that electrohydraulic transducer is terminated and is transferred to the other electrohydraulic transducer.

Compl. Specn. 24 pages. Drg. 5 sheets

CLASS : 32-F, 162110.

Int. Cl. C07c 7/00.

A METHOD FOR THE OXIDATION OF CYCLOHEXANE IN WHICH THE CRUDE PRODUCT OF OXIDATION OF CYCLOHEXANE IN THE LIQUID PHASE WITH GASES CONTAINING OXYGEN IS SEPARATED BY DISTILLING.

Applicant : ZAKŁADY AZOTOWE IM. FELIKSA DZIERŻYŃSKIEGO, OF 33-101 TARNÓW, UL. LIPOWA 8, POLAND.

Inventors : 1. JAN REDZIŁ, 2. ANDRZEJ KRZYSZTOFORSKI, 3. STANISŁAW CIBOROWSKI, 4. KAZIMIERZ BALCERZAK, 5. ANDRZEJ ZIMOWSKI, 6. ZBIGNIEW KOĆZĄB, 7. KONSTANTY MAKAL, 8. JOZEF SZPARSKI, 9. STANISŁAW RYGIEL, 10. MARIAN PACIOREK, 11. ANTONI JANUSZ GUCWA, 12. MAREX POCHWAŁSKI, 13. ALEKSANDER USZYŃSKI, 14. JERZY OSOBA, 15. JOZEF GRZEGORZEWICZ, 16. ABIGNIEW SCHMELPFENNING, 17. JOZEF BOROWIEC.

Application No. 421/Cal/84 filed June 18, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A method for the oxidation of cyclohexane in which the crude product such as herein described of oxidation of cyclohexane in the liquid phase with gases containing oxygen is separated by distilling off unreacted cyclohexane in the acid medium with the application of expansion of the crude product and washing it with water, distilling off with water vapour cyclohexanol and cyclohexanone and neutralization of acids and saponification of esters contained in the said distillate, characterised in that in the system comprising at least two distillation stages connected in series and working at different pressures the crude product of oxidation is expanded by methods known per se first of all to the pressure higher than 0.35 MPa, preferably included within the limits of 0.4-0.45 MPa, cyclohexane evaporated as the result of the said expansion is introduced to the first stage of the distillation system, and the non-evaporated product is next expanded to the pressure approximate to the working pressure of the second stage of the distillation system, preferably lower than 0.15 MPa, and is washed with water, vapour produced as the result of the said expansion and washing being introduced to the second stage of the distillation system, and the remaining organic liquid is introduced, to the first stage of the distillation system after previous heating this

organic liquid to the temperature approximate to the temperature of the said stage, at least part heat delivered to evaporators of the first stage of the distillation system or for heating the organic liquid introduced to the said stage, or both to evaporators of the first stage of the distillation system and for heating the organic liquid introduced to the said stage, being delivered in the form of condensing vapour of cyclohexanol, cyclohexanone, cyclohexane and water coming from distilling off thereof from the non-volatile residue or from the operation of neutralization of acids and saponification of esters contained in the said distillate or both from the distilling off the said vapour from the non-volatile residue and from the operation of neutralization of acids and saponification of esters contained in the said distillate.

Compl. Specn. 19 pages. Drg. 1 sheet.

CLASS : 32-E; 136-A+E; 152-E. 162111.

Int. Cl. : B29f 1/00, B29d 23/04, 23/08;

B29f 3/00; C08f 45/54+47/00.

PROCESS FOR ELIMINATING SURFACE MELT FRACTURE.

Applicant : UNION CARBIDE CORPORATION, AT OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT, 06817, UNITED STATES OF AMERICA.

Inventor : 1. ARAKALGUD VENKATAPATHIA RAMAMURTHY.

Application No. 451/Cal 84 filed June 27, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims.

A process for substantially eliminating surface melt fracture during extrusion of an ethylene polymer under adhesion conditions between the material constituting a conventional die land surface and the polymer, which would otherwise produce higher levels of melt fracture which comprises extruding said polymer through a die having a die land surface fabricated from a material other than a conventional die land material as herein described which increases adhesion between the die land surface and the polymer to an extent sufficient to substantially eliminate surface melt fracture.

Compl. Specn. 56 pages. Drg. 4 sheets.

CLASS : 73; 119-B. 162112.

Int. Cl. : D06c 3/00.

WEB TENSIONER AND FEEDER.

Applicant : ERHARD & LEIMER GMBH, LEITERSHOFER STR. 80, 8900 AUGSBURG 1, WEST GERMANY.

Inventor : 1. GERHARD BRUNNER.

Application No. 644/Cal/84 filed September 14, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims.

A web tensioner for a web-transport path in which a web is passed in a transport direction along said path, said web tensioner comprising :

a support;

a pair of gripper frames disposed on opposite sides of said path and provided with grippers engageable with respective edges of said web for retaining same while said web is displaced along said path whereby said grippers travel along said frames, said gripper frames being elongated in said direction and mounted for individual pivotal movement substantially in the plane of said web; and

respective positioning mechanisms acting on each of said frames for displacing same substantially in said plane, said mechanisms each comprising a rack element and has drive elements, one of said elements being connected to said support and the other of said elements being connected to the respective frame, said drive element comprising:

a block-shaped housing formed with a plurality of angularly adjoining outer surfaces at least one of which is provided as a flange-connection surface.

a motor built into and integrated into said housing,

a step down transmission built into and integrated in said housing and operatively connected with said motor while being disposed laterally adjacent said motor, and having an output shaft.

a guide rocker on said housing swingable about the axis of said shaft,

a pinion driven by said shaft and received in said rocker for engagement with said rack element, said rack element traversing said rocker, and

means in said rocker for retaining said rack element against said pinion, said surfaces being oriented to enable said housing to be mounted in a plurality of selected positions.

Compl. Specn. 25 pages. Drg. 8 sheets.

CLASS : 128-F.

162113.

Int. Cl. : A61m 3/00.

#### PLURAL DOSAGE AUTOMATIC INJECTOR WITH IMPROVED SAFETY.

Applicant : SURVIVAL TECHNOLOGY, INC., 8101 BLENBROOK ROAD, BETHESDA, MARYLAND 20814, UNITED STATES OF AMERICA.

Inventors : 1. STANLEY JAY SARNOFF, 2. GEORGE B. CALKINS, 3. WILLIAM R. TARELLO.

Application No. 657/Cal/84 filed September 18, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 11 Claims.

A plural dosage automatic injector with improved safety comprising

an elongated tubular housing assembly,

a first medicament injecting assembly including a first container, a first hypodermic needle, a first liquid medicament and a first plunger within the forward end portion of said housing assembly,

a first stressed spring assembly in the rearward end portion of said housing assembly disposed in operative relation with said first medicament injecting assembly for operating the latter so as to move the first plunger forwardly within the first container, the first needle forwardly into a patient, and the first liquid medicament outwardly of the first needle.

said first stressed spring assembly including first releasable means operable upon actuation in response to the performance of a manual actuating procedure to release said first stressed spring assembly to operate said first medicament injection assembly,

a second medicament injecting assembly including a container, a hypodermic needle, a liquid medicament and a plunger within the forward end portion of said housing assembly alongside said first medicament injecting assembly,

a second stressed spring assembly in the rearward end portion of said housing assembly alongside said first stressed spring assembly disposed in operative relation with said second medicament injecting assembly for operating the latter so as to move the second plunger forwardly into a patient alongside said first needle and the second liquid medicament outwardly of the second needle,

said second stressed spring assembly including second releasable means operable upon actuation to release said second stressed spring means to operate said second medicament injection assembly,

manually operable safety means including first safety means operable (1) when in a safety position with respect to said first releasable means to prevent actuation thereof as aforesaid and (2) when removed from said safety position in relation to said first releasable means to permit the actuation of said first releasable means as aforesaid.

automatic safety means operable (1) when in a safety position with respect to said second releasable means to prevent actuation thereof and (2) when removed from said safety positions in relation to said second releasable means to permit the actuation of said second releasable means, and

mechanical motion transmitting means operable to transmit a movement occurring as a result of the actuation of said first releasable means into secondary actuating movement operable to (1) effect a relative movement between said automatic safety means and said second releasable means sufficient to remove said automatic safety means from said safety position and (2) thereafter actuate said second releasable means to release said second stressed spring assembly to operate said second medicament injecting assembly.

Compl. Specn. 29 pages. Drg. 1 sheet.

CLASS : 29-A.

162114.

Int. Cl. : G06f 15/00.

#### IMPROVEMENTS IN OR RELATING TO DATA PROCESSING SYSTEMS.

Applicant : INTERNATIONAL COMPUTERS LIMITED, OF ICL HOUSE, PUTNEY, LONDON, S.W. 15, ENGLAND.

Inventor : 1. EDWARD BABB.

Application No. 1513/Cal/75 filed July 31, 1975.

Conventional dated 29th October, 1974 (46651/74) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 6 Claims.

A data processing system comprising a memory holding a sequence of records, each record comprising one or more data items each of which is of one of a plurality of different types, and processing means for scanning the records in sequence, selecting data items of a predetermined type, performing a predetermined operation on each selected item and storing the result of the operation in a result store wherein the processing means is operable in such a manner that, in the absence of any data item of the predetermined type within a particular record, the result from a previous record is retained in the result store as the result for that particular record.

Compl. Specn. 54 pages. Drg. 12 sheets.

#### OPPOSITION PROCEEDINGS

The Opposition entered by Chloride India Ltd., to the grant of a Patent on Application No. 159192 made by AMCO Batteries Ltd., as notified in Part III, Section 2 of the Gazette of India dated the 7th November, 1987 has been dismissed and a patent has been ordered to be sealed on the Application.

An opposition has been entered by Shri Biren-Das Gupta to the grant of a Patent on application No. 156685 made by Shri Dipak Kr. Roy and Shri Sunil Chandra Mondal as notified in the Gazette of India, Part III, Section 2 dated 8th March, 1986 and ordered that the opposition is successful and no Patent shall be sealed.



An Opposition has been entered by M/s. Bajaj Auto Ltd. to the grant of a Patent on application No. 160762 (520/Del/85) dated 2nd July, 1985 made by Piaggio & C.S.P.A.

#### PATENTS SEALED

153461 153462 153579 158385 159402 159403 159425 159427  
159428 159430 159492 159497 159498 159501 159507 159508  
159509 159511 159521 159522 159523 159524 159525 159526  
159542 159544 159545 159546 159547 159548 159549 159551  
159552 159553 159555 159556 159557 159558 159565 159566  
159568 159592 159607

#### Amendment proceedings under section 57

The amendment proposed by Wellman Paramec Limited in respect of Patent application No. 157649 as advertised in the Part III, Section 2 of the Gazette of India dated 17th October 1987.

#### REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS)

Assignments, Licences or other transactions affecting the interests of the original patentees have been registered in the following cases.

The number of each case is followed by the name of the parties claiming interest—

151009	Voeat-Alpine Aktiengesellschaft (49% for VA 51% for KE)
150048	Cherakkadath Yousuf Mutunthala Muhamad Shafy
127074, 128107, 128231, 129748, 130085, 130859, 131565, 131885, 132270, 134738, 134889, 134890, 135369, 136062, 136186, 137264, 138321, 138585, 139094, 139374, 139475, 139488, 139812, 140203, 140215, 140758, 141053, 141172, 141190, 142087, 142145, 142345, 143001, 143076, 143542, 145937, 146711, 146712, 146713, 146714, 147491 & 148778	Lucas Industries Public Limited Company.
146768	Satec Limited.
153917, 153960	Nederlandse Stikstof Maatschappij B.V.
151228	Paolo Giammarco.
145234	Pas Reform B.V.
146424	BASF Corporation formerly Koonas Inmount Corporation.
155806 } 155807 } 152459 } 154134 }	General Motors Corporation.
	Cameron Iron Works Inc.
146057	Suomen Sokeri Oy.
142127 } 155363 } 144870 } 155434 }	Haynes International Incorporated.
	Farrel Corporation.

#### RENEWAL FEES PAID

141130 142820 143030 143350 144168 144414 144715 144844  
145064 145689 145743 145890 146131 146303 146503 146521  
147118 147124 147319 147395 147442 148390 148586 148740  
148866 149033 149045 149046 149385 149540 149659 149753  
150090 150506 150561 150619 150789 151049 151050 151068  
151204 151406 151428 151540 151582 151834 151841 152124  
152199 152320 152367 152818 152953 153347 153581 153955  
154100 154107 154108 154154 154155 154203 154204 154456  
154521 154583 154892 155372 155392 155579 155607 155669  
155796 156137 156138 156701 156864 157027 157219 157235  
157332 157576 157659 157650 157704 157738 157762 157975  
158128 158240 158320 158338 158581 158820 159000 159123  
159155 159234 159236 159238 159570 159663 159669 159670  
159685 159738 159744

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 151195 granted to Singh & Associates for an invention relating to "improvements in or relating to wire or rod coil collector".

The patent ceased on the 5th April, 1985 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 12th April, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 26th May 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### DESIGN CANCELLATION PROCEEDING UNDER SECTION 51A OF THE DESIGN ACT, 1911

The Design No. 154878 in Class 1 registered on 24th September, 1984 in the name of Bansi Engineering Corporation has been cancelled by an Order passed by The Deputy Controller of Patents & Designs on 24-2-88.

#### REGISTRATION OF DESIGN

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 158448. Haresh Hemandas Melwani, Indian National carrying on business as Sole Proprietor in the name and style of Messrs. Hassanand & Hemandas & Co., at Sitaram Building (Near Crawford Market), 27, Dr. Dadabhai Naoroji Road, Bombay-1, State of Maharashtra, India. "Cabinet for Storing Guns and Rifles". 22nd June, 1987.

Class 1. No. 158677. Ganga Narayan Ghosh, Indian National carrying on business at 6, Sheetal Palace, 1st Road, T.P.S. IV, Bandra (West), Bombay-400 050, State of Maharashtra, India in the name of Plant & Piping. "Revolving Closed Garbage Bins (Partial Emptying Garbage Bin)". 14th August, 1987.

Class 1. No. 158697. Universal Utilities, an Indian Partnership Firm registered under the Indian Partnership Act, 1932 carrying on business at G-20, 'Everest' 156, Tardeo Road Bombay-400034, State of Maharashtra, India. "Roller Shade". 20th August, 1987.

Class 1. No. 158736. V. K. Pump Industries Pvt. Ltd., an Indian Company incorporated under the Companies Act, 1956, carrying on business at 39B, Suren Road, Andheri (East), Bombay-400093, Maharashtra, India. "Multiflo Series Metering Pump". 24th August, 1987.

Class 1. No. 158841. Peico Electronics and Electricals Limited, of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-400 010, Maharashtra, India, an Indian Company. "A Black & White Television". 24th September, 1987.

Class 1. No. 158950. Vishal Industrial Products, Guru Nanak Nagar, Meerut, Uttar Pradesh, India, a firm registered under the Indian Partnership Act, 1932. "Wick Stove". 20th October, 1987.

Class 1. No. 158951. Jaswanti Singh of 34/37, Old Rajinder Nagar, New Delhi-110060, Union Territory of Delhi, India, Indian National. "Heat Convector". 20th October, 1987.

Class 3. No. 158388. M. K. Electric Limited, a British Company, of Shrubbery Road, Edmonton, London N9 OPB, England. "Single-pole Electric Switch". 5th June, 1987.

Class 3. No. 158389. M. K. Electric Limited, a British Company, of Shrubbery Road, Edmonton, London, N9 OPB, England. "Double-pole Electric Switch". 5th June, 1987.

Class 3. No. 158424 158425. Kwalitiy Plastics, Unit No. 13, Building A, Singh Industrial Estate, Ram Mandir Road, Goregaon (West), Bombay-400062, Maharashtra, an Indian Partnership Firm. "Handle of Bag". 12th June, 1987.

Class 3. No. 158435. Kanchan Industries, 'C', Sambhav Darshan Jambli Galli, Borivli (West), Bombay-400 092, Maharashtra (India) an Indian Proprietary firm. "Mixer-Grinder". 17th June, 1987.

Class 3. No. 158668. Medivice Ag., a company organised and existing under the laws of Switzerland, of Neufeldstrasse 134, CH-3012 Bern, Switzerland. "A Intrauterine Contraceptive Device". 11th August, 1987.

Class 3. Nos. 158681 to 158687. Fiberglass Mouldings Corporation, a Partnership firm, 75C, Park Street, Calcutta-700016, West Bengal, India, all Indian nationals. "Tent/Shelters". 18th August, 1987.

Class 3. No. 158693. Reckitt & Colman of India Ltd., of 41 Chowringhee Road, Calcutta-700071, West Bengal, India, a Company incorporated in India. "Bottle with Spray Device". 19th August, 1987.

Class 3. No. 158694. Reckitt & Colman of India Ltd., of 41 Chowringhee Road, Calcutta-700071, West Bengal, India, a Company incorporated in India. "Spray Device". 19th August, 1987.

Class 3. No. 158695. Reckitt & Colman of India Ltd., of 41 Chowringhee Road, Calcutta-700071, West Bengal, India, a Company incorporated in India. "Non Lid Part of Bottle". 19th August, 1987.

Class 3. No. 158720. International Business Machines Corporation, a Corporation organised and existing under the laws of the State of New York, United States of America, of Armonk, New York 10504, United States of America. "an Electronic Data Processor". Reciprocity date is 1st April, 1987 (U.K.).

Class 3. No. 158721. International Business Machines Corporation, a Corporation organised and existing under the laws of the State of New York, United States of America, of Armonk, New York 10504, United States of America. "an Electronic Data Processor". Reciprocity date is 1st April, 1987 (U.K.).

Class 3. No. 158722. International Business Machines Corporation, a Corporation organised and existing under the laws of the State of New York, United States of America, of Armonk, New York 10504, United States of America. "a Decorative Bezel for Electronic Equipment". Reciprocity date 1st April, 1987 (U.K.).

Class 3. No. 158723. International Business Machines Corporation, a Corporation organised and existing under the laws of the State of New York, United States of America, of Armonk, New York 10504, United States of America. "a Display Device for Electronic Equipment". Reciprocity date is 21st April, 1987 (U.K.).

Class 3. No. 158724. International Business Machines Corporation, a Corporation organised and existing under the laws of the State of New York, United States of America, of Armonk, New York 10504, United States of America. "a Drive for Recording Disc for Electronic Apparatus". Reciprocity date is 14th May, 1987. (U.K.).

Class 3. No. 158725. International Business Machines Corporation, a Corporation organised and existing under the laws of the States of New York, United States of America, of Armonk, New York 10504, United States of America. a "Display Device for Electronic Apparatus" Reciprocity date is 20th May, 1987 (U.K.).

Class 3. No. 158726. International Business Machines Corporation, a Corporation organised and existing under the laws of the States of New York, United States of America, of Armonk, New York 10504, United States of America. a "Decorative Bezel for Apparatus in Electronic Equipment". Reciprocity date is 1st April, 1987 (U.K.).

Class 3. No. 158734. Raj Kumar Sah, Rajendra Kumar Sah and Ravindra Kumar Sah, all Indians, trading as Raj Kumar Sah & Sons, a firm registered under the Indian Partnership Act and National Winder, owned by Raj Kumar Sah & Sons, all of Pishachmochan Marg, Chetganj, Varanasi-221001, Uttar Pradesh, India. "Table Fan". 24th August, 1987.

Class 3. No. 158840. Peico Electronics and Electricals Limited, of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-400 010, Maharashtra, India, an Indian Company. "a Black & White Television". 24th March, 1987.

Class 3. No. 159052, 159053. Eagle Flask Private Limited. (an Indian Company) at Eagle Estate, Talegaon-410 507, District-Pune, Maharashtra State, India. "TRAY". 14th November, 1987.

Class 3. No. 159250. Balaji Electronics, an Indian Partnership Firm, situated at 1-8-488/489 Chikkad Pally, Hyderabad (A.P.), India. "Automatic Voltage Stabilizer". 7th January, 1988.

Class 3. Nos. 159287 to 159319. MRF Limited. 826. Anna Salai, Madras-600002, India, an Indian Co. "Automobile Tyre". January 25, 1988.

Extn. of Copyright for the Second period of five years.

Nos. 150811, 150828, 151514, 151232, 151231 .... Class-1.

Nos. 154516, 154802, 154363, 155187.....Class-3.

Nos. 154069, 154068 ..... Class 1.

Extn. of Copyright for the Third period of five years.

Nos. 1047086, 144156, 144231, 144232, 147145, 147146

Class-1.

Nos. 147086, 144156, 144231, 144232, 147145, 147146

R. A. ACHARYA,

Controller General of Patents, Designs  
and Trade Marks